

Ecological wastewater treatment using the constructed wetland technology

Title	Ecological wastewater treatment using the constructed wetland technology
Description of the technology	<p>Constructed wetlands treatment systems are engineering structures designed to improve water quality, that use natural processes involving wetland vegetation, soils, and their associated microbial assemblages.</p> <p>The complete service related to constructed wetland is offered - design, consultation, operation and service.</p> <p>The offered technology is more economically and more environmentally friendly than most other wastewater treatment technologies. Innovative are especially new technological solutions, new materials and the use of new procedures.</p>
Advantages	<ul style="list-style-type: none"> • improvement of water quality due to quality treatment technology <ul style="list-style-type: none"> • use of nature-friendly materials and processes • no need for a source of electricity • economical solution - low operation costs • smaller carbon footprint during construction and operation • improvement of the water cycle and microclimatic conditions <ul style="list-style-type: none"> • landscape-forming element
Keywords	Wastewater, Constructed treatment wetland, Wastewater treatment
Current status of the technology	<p>Already on the market and available for demonstration</p> <p>Secret Know-how</p>
Possible client	Households (5-10 PE) and municipalities (up to 1500 PE)
Preferent country	Czech Republic, Slovak Republic
Language of communication	Czech, Slovak, English

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Notice	<i>Project co-funded by European Union funds (ERDF and IPA)</i>